

**Table P-9
Mammal Survey Data**

Species	Date	Observations
American badger (<i>Taxidea taxus</i>)	April 27, 2000	Adult observed foraging on grassland slopes E of Casmalia Creek and S of landfill.
	March 1, 2001	Recent dens and foraging digs observed in grassland slopes between landfill and Casmalia Creek.
	May 14, 2001	Recent badger den found in bank above SE end of A-Series Pond.
	March 13, 2002	Detected single, deceased individual (visual) during mammal presence/absence survey along road, adjacent Pesticides Solvent Landfill. Mortality appeared to be associated with car strike. This species is presumed to be present within the facility boundaries in less disturbed areas, as well as on adjacent lands.
Black-tailed deer (<i>Odocoileus columbianus</i>)	March to August 2001	Commonly observed throughout the landfill and on adjacent lands.
	November 19- 21, 2001	Approximately seventeen individuals detected over a three day period (visual, tracks, and scat) during mammal presence/absence survey of site.
	March 11- 14, April 30- May 2, 2002	Approximately thirteen individuals detected over three day period (visual, tracks, and scat) during mammal presence/absence survey of site. This ubiquitous ungulate species is presumed to be present throughout the site.
Black-tailed hare (<i>Lepus californicus</i>) (subspecies unknown)	April 27, 2000	Two individuals flushed from grassy slopes S of landfill and E of Casmalia Creek.
Bobcat (<i>Felis rufus</i>)	March to August 2001	Observed day and night within the landfill boundaries; tracks are common around all of the surface runoff ponds.
	November 21, 2001	Detected one individual (tracks) during mammal presence/absence survey of Flats North of RCF pond. This species is commonly seen during day and night on site and is presumed to be present on adjacent lands as well (1400).
	March – May, 2003	Detected during CTS and/or CRLF surveys.
Botta's pocket gopher (<i>Thomomys bottae</i>)	March to August 2001	Burrows of this species are found throughout the landfill, including the landfill caps.
Broad-footed mole (<i>Scapanus latimanus</i>)	March to August 2001	Burrows observed around most of the surface runoff ponds.

Table P-9 (cont'd)
Mammal Survey Data

Species	Date	Observations
Brush mouse (<i>Peromyscus boylii</i>)	July 16- 24, 2001	Five to six individuals observed in weedy grassland on slopes of Caustics/Cyanide Landfill and metals Landfill following discing for vegetation removal. Two captured and relocated in grassland N of landfill.
	November 19, 2001	Detected one individual (visual) during mammal presence/absence survey of Casmalia Creek (1600).
	May 3, 2002	Detected one individual (sign) during mammal presence/absence survey of Eucalyptus Grove.
Brush rabbit (<i>Sylvilagus bachmani</i>)	March to August 2001	Commonly observed on flat grassland within and adjacent to landfill.
	November 19-21, 2001	Detected three individuals over three day period (visual, tracks, scat) during mammal presence/absence survey of Casmalia Creek, ravine west of PCB landfill, and flats north of RCF Pond.
	March 11- 14, April 30- May 2, 2002	Detected several (>5) individuals (visual, tracks, scat) during mammal presence/absence survey of Ravine West of PCB Landfill, Flats North of RCF Pond and Pond A-5. This common species is presumed to be present on- and off-site.
California ground squirrel (<i>Spermophilus beecheyi</i>)	March to August 2001	Commonly found within and adjacent to the landfill, including the landfill caps. Burrows of this species provide refuge for amphibians and reptiles, such as Pacific treefrog (<i>Pseudacris regilla</i>) California red-legged frog (<i>Rana aurora draytonii</i>), gopher snake (<i>Pituophis melanoleucus</i>), and two-striped garter snake (<i>Thamnophis couchii</i> ssp. <i>hammondi</i>).
	March 11-14, 2002 and April 30- May 2, 2002	Dozens of individuals detected (visual, tracks, and scat) during both March and April/May mammal presence/absence surveys. This species is presumed to be present throughout the site and on adjacent lands, particularly in lowland areas.
	March – May, 2003	Detected during CTS and/or CRLF surveys.
California vole (<i>Microtus californicus</i>)	March to August 2001	Runways presumably belonging to this species are common in relatively undisturbed grassland around the margins of the landfill and in grazed grassland surrounding the landfill.
	18 Feb 2005	SE side A-Series Pond (upper fence line). Subadult; dead in pitfall trap on E (pond) side of fence; not collected
	16 Feb 2005	SE side A-Series Pond (lower fence line). Adult female; dead in pitfall trap; not collected
	17 Feb 2005	E side Pond 13 (upper fence line). Two adults; dead in separate pitfall traps; not collected
	17 Feb 2005	E side RCF Pond . Adult; dead in pitfall trap; not collected
	22 Feb 2005	E side RCF Pond. Adult; dead in pitfall trap on W (pond) side of fence; not collected

Table P-9 (cont'd)
Mammal Survey Data

Species	Date	Observations
Coyote (<i>Canis latrans</i>)	March to August 2001	Commonly observed and heard calling (at night) within and adjacent to landfill.
	November 19- 21, 2001	Approximately six individuals detected over three day period (visual, tracks, and scat) during mammal presence/absence survey of site and adjacent lands.
	March 11- 14, 2002 and April 30 - May 2, 2002	Detected approximately seven individuals (visual, tracks, and scat) during March and April/May 2002 mammal presence/absence surveys of site. This common species is presumed to be present throughout the area.
	March – May, 2003	Detected during CTS and/or CRLF surveys.
Deer mouse (<i>Peromyscus maniculatus</i>)	29 Jan 2005	SE side RCF Pond. Subadult; dead on S (land) side of fence in pitfall trap; not collected
	19 Feb 2005	E side RCF Pond. Four subadults dead in traps; not collected
	19 Feb 2005	W side Pond 13 (upper fence line). Adult male; dead in trap; not collected
	21 Feb 2005	NW side RCF Pond (lower fence line). Subadult; dead in pitfall trap; not collected
	21 Feb 2005	E side Pond 13 (upper fence line). Adult female; E (land) side of fence; dead in pitfall trap; not collected
Dusky-footed woodrat (<i>Neotoma fuscipes</i>)	July 19, 2004	Nests belonging to this species were observed in the lower Casmalia Creek riparian corridor, near the confluence of Shuman Canyon Creek.
Gray fox (<i>Urocyon cinereoargenteus</i>)	March to August 2001	Fox scat, presumably belonging to this species, was observed at several locations on dirt access roads within the landfill boundaries.
	November 19, 2001	Detected one individual (tracks) during mammal presence/absence survey of Casmalia Creek. This common species is presumed to be present throughout the site, and on adjacent lands (1600).
Long-tailed weasel (<i>Mustela frenata</i>)	March – May, 2003	Detected during CTS and/or CRLF surveys.
Mountain lion (<i>Puma concolor</i>)	March to August 2001	Seen by Site employees at night.
	November 19, 2001	Detected one individual (tracks, scat) during mammal presence/absence survey of Casmalia Creek. This fully protected species has been seen on-site during evening hours and is presumed to be present off-site as well (1600).
Ornate shrew (<i>Sorex ornatus</i>)	29 Jan 2005	NW side A-Series Pond. Adult; dead in pitfall trap; collected for SBMNH
	18 Feb 2005	NE side Pond 13 (upper line). Two adults found dead in same pitfall trap on W (pond) side of fence; collected for SBMNH
	22 Feb 2005	SE side RCF Pond. Adult; dead in pitfall trap on N (pond) side of fence; collected for SBMNH
Raccoon (<i>Procyon lotor</i>)	March to August 2001	Tracks and scat commonly observed around margins of all of the surface runoff ponds and along Casmalia Creek riparian corridor.

Table P-9 (cont'd)
Mammal Survey Data

Species	Date	Observations
Raccoon (<i>Procyon lotor</i>)	November 19, 2001	Detected one individual (tracks) during mammal presence/absence survey of Casmalia Creek.
	March 11- 14, April 30- May 2, 2002	Detected numerous tracks during mammal presence/absence survey of unnamed drainage near Eucalyptus Grove. This common urban species is presumed to be present throughout the site (1600).
	March – May, 2003	Detected during CTS and/or CRLF surveys.
Ringtail (<i>Bassariscus astutus</i>)	April 27, 2000	Tracks of this species were observed along Casmalia Creek W of the landfill.
Striped skunk (<i>Mephitis mephitis</i>)	March to August 2001	Tracks and digs commonly observed throughout landfill and along Casmalia Creek.
	April 20, 2000	Adult flushed from dense weedy grassland/scrub in daytime in ravine W of PCB Landfill.
	November 19- 21, 2001	Four individuals detected over three day period (visual, tracks) during mammal presence/absence survey of Casmalia Creek, Liquids Treatment Area, Flats North of RCF pond, and Pond 18.
	March 12-14, 2002	Three individuals detected over three day period (visual, tracks) during mammal presence/absence survey of Flats North of RCF pond, Ravine West of PCB Landfill and Pond 18. This common species is presumed to be present on-site and on adjacent lands.
	March – May, 2003	Detected during CTS and/or CRLF surveys.
Townsend's mole (<i>Scapanus townsendii</i>)	November 20, 2001	Detected one individual (carcass) during mammal presence/absence survey of RCF pond. This species is presumed to be present throughout the site and on adjacent lands (1400).
Wild pig (<i>Sus scrofa</i>)	March to August 2001	Observed occasionally within the landfill boundary, but foraging throughout the site, as evidenced by scat and extensive diggings, particularly around marshy margins of surface runoff ponds.
	November 21, 2001	Detected species presence (diggings) during mammal presence/absence survey of unnamed drainage north of landfill site.
	March 12, 2002	Detected a total of thirteen individuals (both adult and juvenile) at Ravine West of PCB Landfill and Pond A-13 during mammal presence/absence surveys. This species is routinely seen on-site and is presumed to be present on adjacent lands.
	March – May, 2003	Detected during CTS and/or CRLF surveys.

Table P-9 (cont'd)
Mammal Survey Data

Species	Date	Observations
Bat Species		
California myotis (<i>Myotis californicus</i>)	June 1, 2001	One individual detected foraging over Casmalia Creek willow riparian corridor, W of landfill (see individual bat acoustic data sheets for additional information).
	June 11, 2001	One to two individuals detected foraging over Casmalia Creek willow riparian corridor W of landfill; one individual detected foraging over Casmalia Creek riparian corridor and adjacent grassland approximately 0.5 miles NW landfill (see individual bat acoustic data sheets for additional information).
	July 31, 2001	One to two individuals detected foraging around lights at Administration Building and Scale House near main landfill gate (see individual bat acoustic data sheets for additional information).
	September 23- 31, 2004	Detected at Administration Area, Casmalia Creek (off-site), North Drainage (off-site), and the Maintenance Shed areas near eucalyptus grove and bank. <i>Myotis</i> sp. calls (either <i>M. californicus</i> or <i>M. yumanensis</i>) were detected at all sample locations.
Big brown bat (<i>Eptesicus fuscus</i>)	September 23- 31, 2004	Detected at North Drainage (off-site), Pond A-5, Pond 13, and A-Series Pond.
Hoary bat (<i>Lasiurus cinereus</i>)	September 23- 31, 2004	Detected at Casmalia Creek (off-site), North Drainage (off-site), both Maintenance Area sample locations, Pond 13, and A-Series Pond.
Mexican free-tailed bat (<i>Tadarida brasiliensis</i>)	June 1, 2001	One to two individuals detected foraging around lights near Treatment Building parking lot (see individual bat acoustic data sheets for additional information).
	July 31, 2001	One individual detected flying over NE end of A-Series Pond; one individual detected foraging around lights near Treatment Building parking lot; one individual detected foraging around lights near Administration Building and Scale House near main landfill gate (see individual bat acoustic data sheets for additional information).
	September 23- 31, 2004	Detected at Administration Area, Casmalia Creek (off-site), North Drainage (off-site), both Maintenance Shed sample locations, Pond A-5, Pond 13, and A-Series Pond.
Pallid bat (<i>Antrozous pallidus</i>)	September 23- 31, 2004	Detected at Administration Area, Casmalia Creek (off-site), North Drainage (off-site), the Maintenance Area sample location near the eucalyptus grove, and the A-Series Pond. All of these sites are likely foraging areas.
Western red bat (<i>Lasiurus blossevillii</i>)	September 23- 31, 2004	Detected at Pond A-5.

Table P-9 (cont'd)
Mammal Survey Data

Species	Date	Observations
Yuma myotis (<i>Myotis yumanensis</i>)	June 1, 2001	One to three individuals detected foraging over SE end of Pond A-5; one individual detected flying over SE end of A-Series Pond (see individual bat acoustic data sheets for additional information).
	July 31, 2001	One individual detected foraging over NE end of A-Series Pond (see individual bat acoustic data sheets for additional information).
	April 22, 2002	Observed at A-Series pond.
	September 23- 31, 2004	Detected at Pond A-5 and two Maintenance Area sample locations. Myotis sp. calls (either <i>M. californicus</i> or <i>M. yumanensis</i>) were detected at all sample locations.